

Wallops Flight Facility

reaching farther



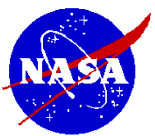


Wallops by the numbers



- \$1.2B in assets
(NASA and tenants)
- Estimated economic impact:
\$829.3M and 5,875 jobs (U.S.)
- Campus
 - More than 6,000 acres
on three land parcels
- Workforce
 - About 270 civil servants,
800 contractors, and
600 tenant personnel
 - About half live in MD

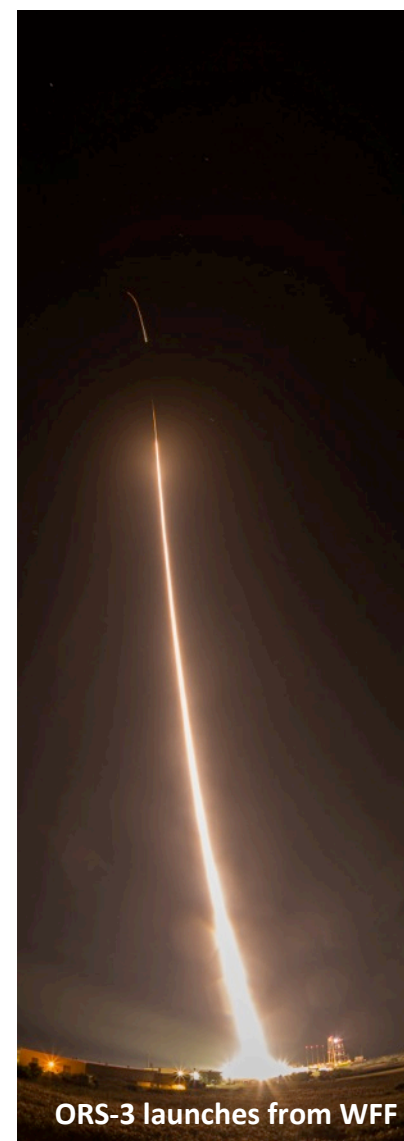
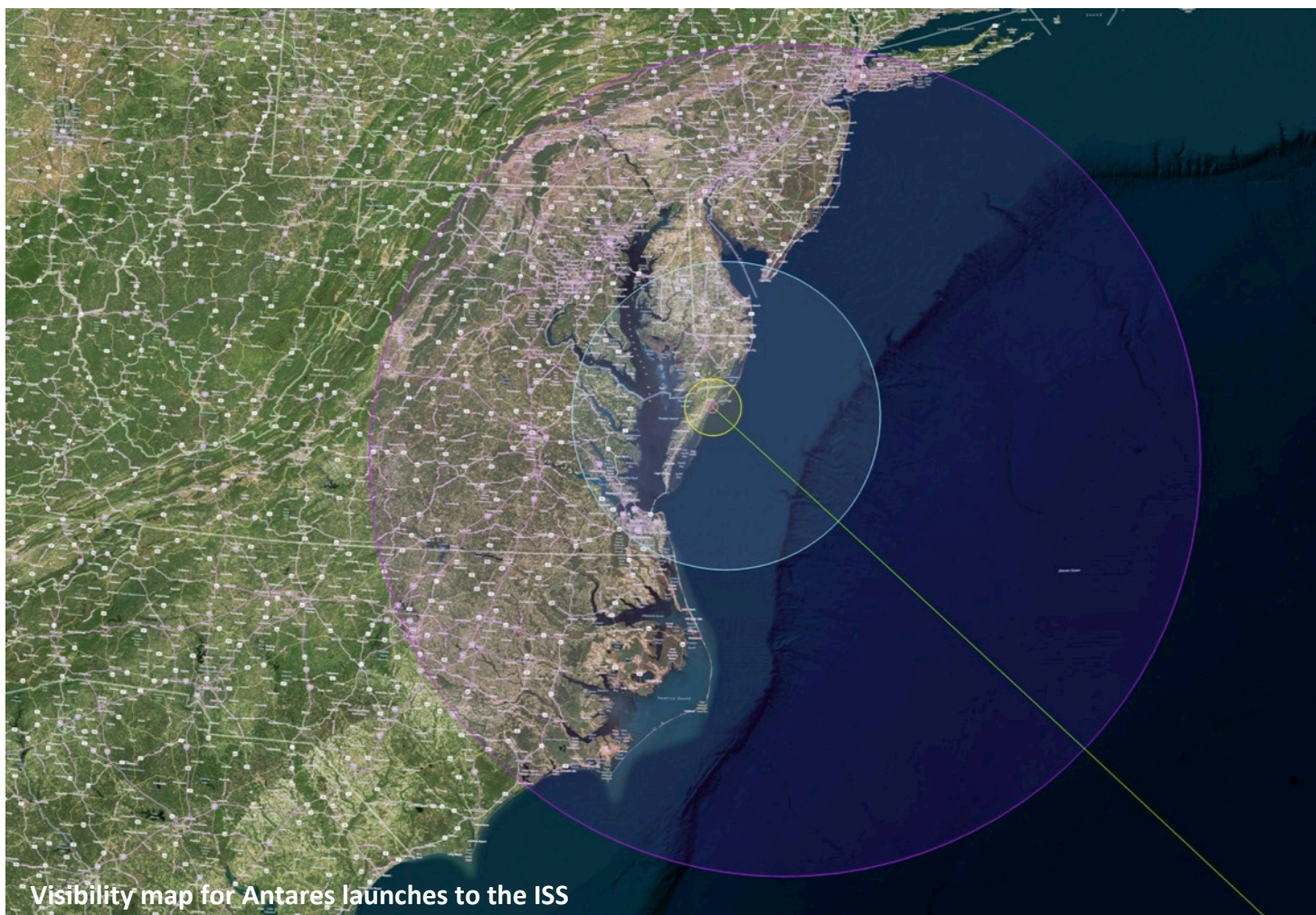




Core Lines of Business—Launch Range



- Wallops Research, Test, and Operational Range
 - 1 of 4 for orbital/deep-space launches



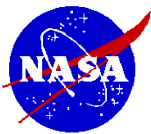


Core Lines of Business—Sounding Rockets



- Sounding Rockets (suborbital)
 - Payloads up to 1,300 lbs.
 - Flight altitudes up to 900 miles
 - Enabling new technologies, science and education





Core Lines of Business—Scientific Balloons



- Scientific Balloons
 - Balloons offer near-space access for observatory class payloads at a fraction of the cost of a satellite
 - Float altitudes: up to 160,000ft; payload masses up to 8,000 lbs.
 - Mission duration: >50 days

Balloon employees talk to visitors at the International Balloon Fiesta, Albuquerque, NM, Oct. 2014



WASP—Fort Sumner, N.M., Sept. 22, 2012



Core Lines of Business—Airborne Science



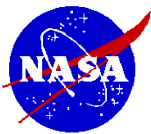
- Airborne Science
 - Conducts frequent global aircraft investigations supporting NASA's Earth scientists
 - Field campaigns complement satellite measurements
 - New measurement capability demonstrations
- More than 2,035 flight hours flown in FY2014 (record)



WFF P-3B Orion in Antarctica/IceBridge



WFF C-130



Special Projects



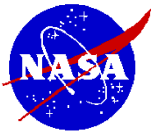
- ISS Cargo Resupply
 - \$1.9 billion contract with Orbital Sciences to provide cargo, experiments to the ISS
 - **Next**: NET Oct. 27, 2014: Orb 3
- ISS ops through 2024



Launch viewing at the NASA Wallops Visitors Center



Antares test launch—April 21, 2013



Special Projects



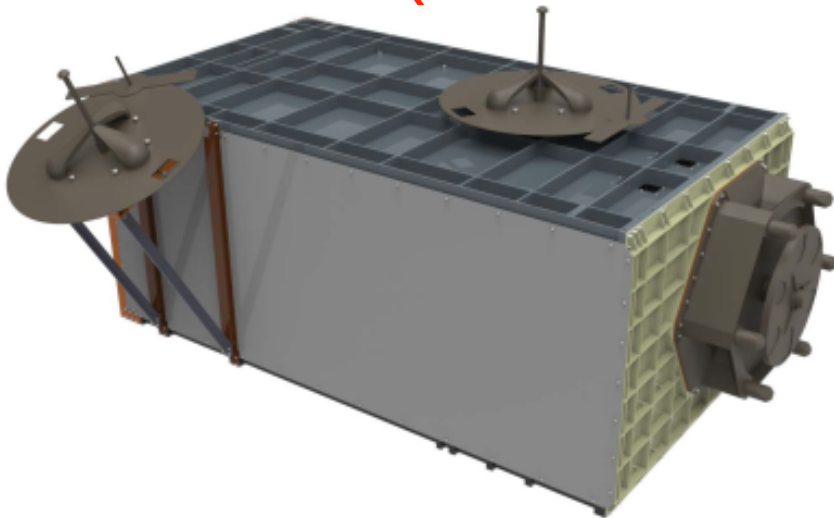
- Unique Government/Industry partnership: NASA, Orbital, and MARS at WFF enable access to low-Earth orbit for ISS cargo resupply
 - Ensures national capability to deliver critical science research and necessary supplies to the space station



- | | | |
|---------------------------|-----------------------------------|---------------------------|
| – Launch Vehicle Provider | – Horizontal Integration Facility | – Launch Complex 0A |
| – Cargo resupply services | – Payload Processing Facility | – Liquid Fueling Facility |
| | – Hypergolic Fueling Facility | |
| | – Launch Range | |



Special Projects

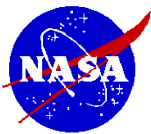


- ISS CREAM—WFF and UMD partnership building a science spacecraft for the Cosmic Ray Energetics and Mass (CREAM) experiment
 - Will attach to the ISS Japanese Experiment Module-Exposed Facility (JEM-EF 2)
 - 3-year-goal science mission
 - Launch Vehicle: Falcon 9 (SpaceX)
 - Launch Date: 2015
 - Mass: 2,670 lbs
 - Control Center at UMD



Low-Density Supersonic Decelerator

- Successful test flight June 28

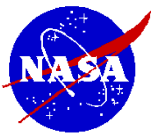


Special Projects



- Post-Hurricane Sandy Beach Restoration Project began July 18
 - 650,000 cubic yards of sand
 - Spread over 12,500 feet on Wallops
 - \$11.34 million project
 - Completed Sept. 27



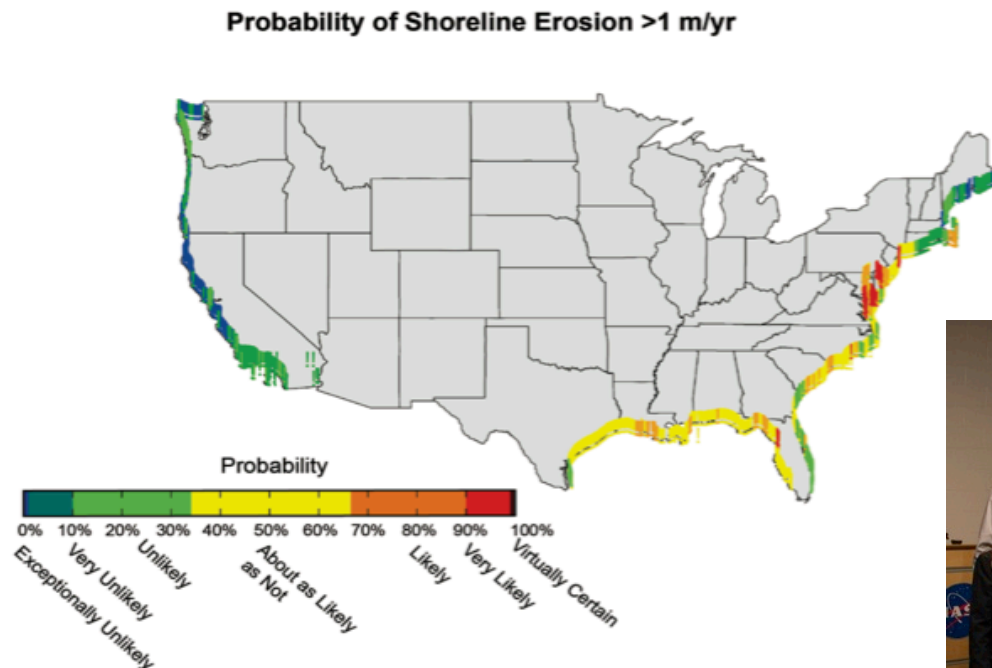


Partnerships

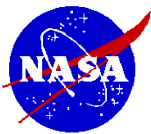


- Mid-Atlantic Coastal Resilience Institute
 - New endeavor to make coastal communities and habitats more resilient

Partners: Goddard, Wallops, U.S. Fish and Wildlife Service, U.S. Geological Survey, University of Delaware, University of Virginia, University of Maryland, College of William and Mary, the Nature Conservancy, and the Chincoteague Bay Field Station



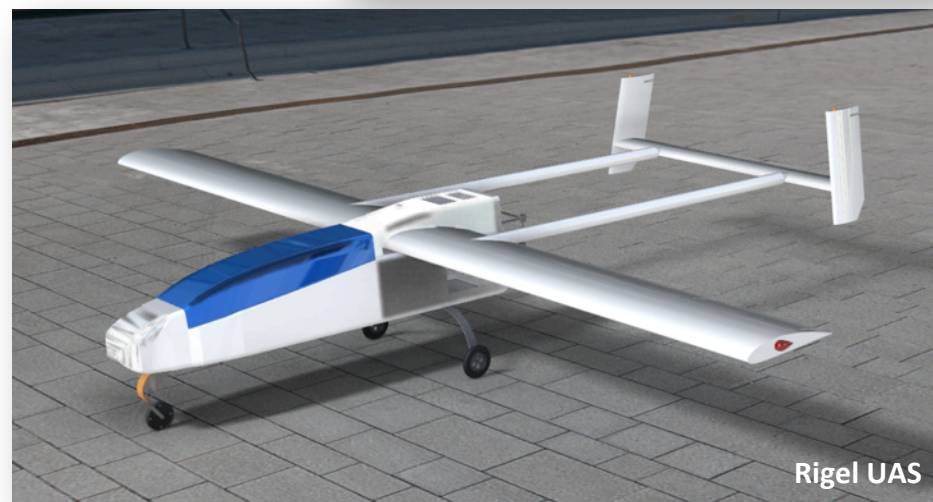
MACRI signing ceremony, June 9

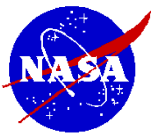


Partnerships



- VA Tech-led team including MD selected by FAA as one of six UAS Test Sites
 - Mission: To aid in development of processes/technologies needed to allow UAS operations in the national airspace system
- Likely to lead to more UAS activities at WFF
 - Plans are in-work for a new UAS runway on north Wallops Island





Partnerships



- Wallops Research Park
 - Taxiway work proceeding
 - Estimated completion end of 2014
 - Ready for customers!

- Field Carrier Landing Practice
 - \$1.9M to WFF to help maintain airfield
 - Vital training for Navy pilots serving on aircraft carriers





Reaching Farther for Science and Technology

Wallops Flight Facility

Questions?

www.nasa.gov/wallops

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